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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/044,967

DATE: 02/07/2002
TIME: 09:03:27

Input Set : N:\Crf3\RULE60\10044967.raw
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1 <110> APPLICANT: Shokat, Kevan M.
 2 <120> TITLE OF INVENTION: High Affinity Kinase Inhibitors for Target Validation
 3 and Uses Thereof
 4 <130> FILE REFERENCE: 51538-5001-US
 5 <140> CURRENT APPLICATION NUMBER: US/10/044,967
 6 <141> CURRENT FILING DATE: 2002-01-15
 8 <150> PRIOR APPLICATION NUMBER: 09/480,993
 9 <151> PRIOR FILING DATE: 2000-01-11
 12 <150> PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/115,340
 W--> 13 <151> PRIOR FILING DATE: EARLIER FILING DATE: 1999-01-11
 14 <160> NUMBER OF SEQ ID NOS: 20
 15 <170> SOFTWARE: PatentIn Ver. 2.1
 17 <210> SEQ ID NO: 1
 18 <211> LENGTH: 27
 19 <212> TYPE: PRT
 20 <213> ORGANISM: Homo sapiens
 21 <400> SEQUENCE: 1
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 23 1 5 10 15
 24 Asn Leu Tyr Met Val Met Glu Tyr Val Pro Gly
 25 20 25
 27 <210> SEQ ID NO: 2
 28 <211> LENGTH: 27
 29 <212> TYPE: PRT
 30 <213> ORGANISM: Rous sarcoma virus
 31 <400> SEQUENCE: 2
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 33 1 5 10 15
 34 Lys Leu Tyr Leu Val Phe Glu Phe Leu His Gln
 35 20 25
 37 <210> SEQ ID NO: 3
 38 <211> LENGTH: 26
 39 <212> TYPE: PRT
 40 <213> ORGANISM: Rous sarcoma virus
 41 <400> SEQUENCE: 3
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 49 <212> TYPE: DNA
 50 <213> ORGANISM: Rous sarcoma virus

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56 <212> TYPE: DNA
57 <213> ORGANISM: Rous sarcoma virus
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62 <211> LENGTH: 26
63 <212> TYPE: DNA
64 <213> ORGANISM: Rous sarcoma virus
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66     tgagaagctg gctcaactgt acgcag          26
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69 <211> LENGTH: 26
70 <212> TYPE: DNA
71 <213> ORGANISM: Rous sarcoma virus
72 <400> SEQUENCE: 7
73     ctgcgtacag ttgagccagc ttctca          26
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76 <211> LENGTH: 24
77 <212> TYPE: DNA
78 <213> ORGANISM: Rous sarcoma virus
79 <400> SEQUENCE: 8
80     ctacatcgtc gctgagtaca tgag          24
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83 <211> LENGTH: 24
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85 <213> ORGANISM: Rous sarcoma virus
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87     ctcatgtact cagcgacgat gtag          24
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90 <211> LENGTH: 7
91 <212> TYPE: PRT
92 <213> ORGANISM: Artificial Sequence
93 <220> FEATURE:
94 <223> OTHER INFORMATION: Description of Artificial Sequence: Imaginary
95   sequence for enzyme modelling
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97     Asp Met Phe Arg Asp Lys Glu
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102 <212> TYPE: PRT
103 <213> ORGANISM: Artificial Sequence
104 <220> FEATURE:
105 <223> OTHER INFORMATION: Description of Artificial Sequence: Imaginary
106   sequence for enzyme modelling

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114 <213> ORGANISM: Artificial Sequence
115 <220> FEATURE:
116 <223> OTHER INFORMATION: Description of Artificial Sequence: Optimized
117 substrate for src kinases
118 <400> SEQUENCE: 12
119 Ile Tyr Gly Glu Phe Lys Lys Lys
120 1 5
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123 <211> LENGTH: 12
124 <212> TYPE: PRT
125 <213> ORGANISM: Artificial Sequence
126 <220> FEATURE:
127 <223> OTHER INFORMATION: Description of Artificial Sequence: Optimized
128 substrate for Abl
129 <400> SEQUENCE: 13
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131 1 5 10
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134 <211> LENGTH: 40
135 <212> TYPE: PRT
136 <213> ORGANISM: Rous sarcoma virus
137 <220> FEATURE:
138 <223> OTHER INFORMATION: v-Src kinase
139 <400> SEQUENCE: 14
140 Arg His Glu Lys Leu Val Gln Leu Tyr Ala Met Val Ser Glu Glu Pro
141 1 5 10 15
142 Ile Tyr Ile Val Ile Glu Tyr Met Ser Lys Gly Ser Leu Leu Asp Phe
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144 Leu Lys Gly Glu Met Gly Lys Tyr
145 35 40
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149 <212> TYPE: PRT
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151 <220> FEATURE:
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155 1 5 10 15
156 Ile Tyr Ile Val Thr Glu Tyr Met Asn Lys Gly Ser Leu Leu Asp Phe
157 20 25 30
158 Leu Lys Asp Gly Glu Gly Arg Ala
159 35 40

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161 <210> SEQ ID NO: 16
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163 <212> TYPE: PRT
164 <213> ORGANISM: Homo sapiens
165 <220> FEATURE:
166 <223> OTHER INFORMATION: c-Abl kinase
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171         20          25          .      30
172     Tyr Leu Arg Glu Cys Asn Arg Gln Glu
173         35          40
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176 <211> LENGTH: 39
177 <212> TYPE: PRT
178 <213> ORGANISM: Homo sapiens
179 <220> FEATURE:
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181 <400> SEQUENCE: 17
182     Lys His Pro Asn Ile Val Arg Leu His Asp Ser Ile Ser Glu Glu Gly
183         1           5           10          .      15
184     His His Tyr Leu Ile Phe Asp Leu Val Thr Gly Gly Glu Leu Phe Glu
185         20          25          .      30
186     Asp Ile Val Ala Arg Glu Tyr
187         35
189 <210> SEQ ID NO: 18
190 <211> LENGTH: 40
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192 <213> ORGANISM: Homo sapiens
193 <220> FEATURE:
194 <223> OTHER INFORMATION: Cdk2, cyclin-dependent kinase
195 <400> SEQUENCE: 18
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197         1           5           10          .      15
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199         20          25          .      30
200     Met Asp Ala Ser Ala Leu Thr Gly
201         35          40
203 <210> SEQ ID NO: 19
204 <211> LENGTH: 42
205 <212> TYPE: PRT
206 <213> ORGANISM: Saccharomyces cerevisiae
207 <220> FEATURE:
208 <223> OTHER INFORMATION: Cdc28, cyclin-dependent kinase
209 <400> SEQUENCE: 19
210     Lys Asp Asp Asn Ile Val Arg Leu Tyr Asp Ile Val His Ser Asp Ala
211         1           5           10          .      15
212     His Lys Leu Tyr Leu Val Phe Glu Phe Leu Asp Leu Lys Arg

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213 20 25 30
214 Tyr Met Glu Gly Ile Pro Lys Asp Gln Pro
215 35 40
217 <210> SEQ ID NO: 20
218 <211> LENGTH: 42
219 <212> TYPE: PRT
220 <213> ORGANISM: Saccharomyces cerevisiae
221 <220> FEATURE:
222 <223> OTHER INFORMATION: Fus3, mitogen-activated kinase
223 <400> SEQUENCE: 20
224 Lys His Glu Asn Ile Ile Thr Ile Phe Asn Ile Gln Arg Pro Asp Ser
225 1 5 10 15
226 Phe Glu Asn Phe Asn Glu Val Tyr Ile Ile Gln Glu Leu Met Gln Thr
227 20 25 30
228 Asp Leu His Arg Val Ile Ser Thr Gln Met
229 35 40

VERIFICATION SUMMARY
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L:13 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD